

1 CLAIMS

2 What is claimed is:

4 1. Structural Support Apparatus With Active or Passive Heat Transfer

5 System comprising:

6 a flexible insulated container;

7 a rigid heat-conductive metallic element; and

8 a heat exchange system;

9 where the metallic element structurally supports the container;

10 where the metallic element and container form a waterproof bond; and

11 where the metallic element and heat exchange system form a thermal bond.

13 2. Structural Support Apparatus With Active or Passive Heat Transfer

14 System as claimed in claim 1 wherein said flexible insulated container forms a closed  
15 volume with a plurality of flexible walls.

17 3. Structural Support Apparatus With Active or Passive Heat Transfer

18 System as claimed in claim 2 wherein said plurality of flexible walls form a sealed  
19 connection with adjacent said plurality of flexible walls and where said connection is  
20 flexible.

22 4. Structural Support Apparatus With Active or Passive Heat Transfer

23 System as claimed in claim 3 further comprising a resealable closure mean on at least  
24 one said sealed connection.

1        5.     Structural Support Apparatus With Active or Passive Heat Transfer

2 System as claimed in claim 2 wherein said plurality of flexible walls comprises a flexible  
3 outer liner, a flexible waterproof inner liner, and a flexible insulating mean in between  
4 said flexible outer liner and said flexible waterproof inner liner.

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6        6.     Structural Support Apparatus With Active or Passive Heat Transfer

7 System as claimed in claim 1 wherein said rigid heat-conductive metallic element is  
8 located within the closed volume of said flexible insulated container.

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10       7.     Structural Support Apparatus With Active or Passive Heat Transfer

11 System as claimed in claim 6 wherein said rigid heat-conductive metallic element's  
12 structurally supports the general shape of said flexible insulated container.

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14       8.     Structural Support Apparatus With Active or Passive Heat Transfer

15 System as claimed in claim 6 wherein said rigid heat-conductive metallic element  
16 structurally supports a content's mass of said flexible insulated container.

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18       9.     Structural Support Apparatus With Active or Passive Heat Transfer

19 System as claimed in claim 1 wherein said waterproof bond insures direct physical  
20 contact isolation between said heat exchange system and a content of said flexible  
21 insulated container.

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23       10.    Structural Support Apparatus With Active or Passive Heat Transfer

24 System as claimed in claim 1 wherein said heat exchange system actively facilitates or  
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1 passively impairs heat transfer between a content of said flexible insulated container  
2 and surrounding environment of the present invention.  
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